

State of Kansas

Geospatial Strategic and Business Plans Development

Advancing Statewide Spatial Data Infrastructures in Support of the National Spatial Data Infrastructure (NSDI)

Business Plan Template

For use by all stakeholders in the Geospatial Community



National Spatial Geographic Information Council

Produced by NSGIC
for the Federal Geographic Data Committee (FGDC)

March 2006



End User
Client-side
Applications



Other state
agency or
Geolibary
applications



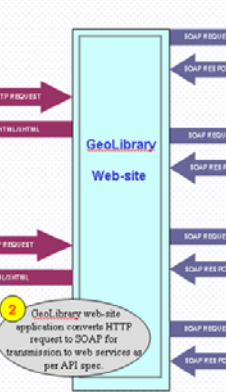
1 Client-side applications make a request to the Geolibary web-site via HTTP

In the future...

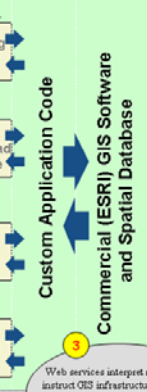


2 Geolibary web-site application converts HTTP request to SOAP for transmission to web services as per API spec

Main Public Library of
Geographic Information



GIS Server(s)



3 Web services interpret request and instruct GIS infrastructure to create requested product (e.g. map). Product is packaged and returned to

Stakeholder Group Sessions

With you today

- **Michael Turner**

- Executive Vice President, founding partner
- Kansas Project Manager
- mgt@appgeo.com

- **Steve Anderson**

- Vice President, Principal
- Strategic and Business Planning Support
- sanderson@appgeo.com

- Also around the table from Kansas?

Agenda

- **Project Overview**
- **Background and History**
 - Important National Initiatives
 - 50 States Initiative
 - National Spatial Data Infrastructure (NSDI)
- **Status quo in Kansas**
- **Strategic Planning versus Business Planning**
- **Establishing the Vision and Goals for this Project**
 - Questions for discussion

Project Overview

- **Kickoff Meeting**
 - Refine approach for KS
 - Gain understanding of the landscape and priorities
- **Two Information Gathering Sessions**
 - Gain broad based stakeholder input
 - Define needs at all levels of government
 - Work towards consensus
- **Five In-depth Interviews**
 - Key state GIS players
 - Key constituencies
 - E.g., County Government “Focus Group”
- **Steering Committee Mtgs**
 - Report and Track progress
 - Gauge degree of consensus
 - Re-calibrate findings/make final decisions
- **Authoring Plans**
 - **Both** a Strategic Plan and a Business Plan
 - Use NSGIC’s prescribed format
 - Answer sub-set of questions raised in the templates
 - Accurately articulate the vision for expanded statewide GIS in KS

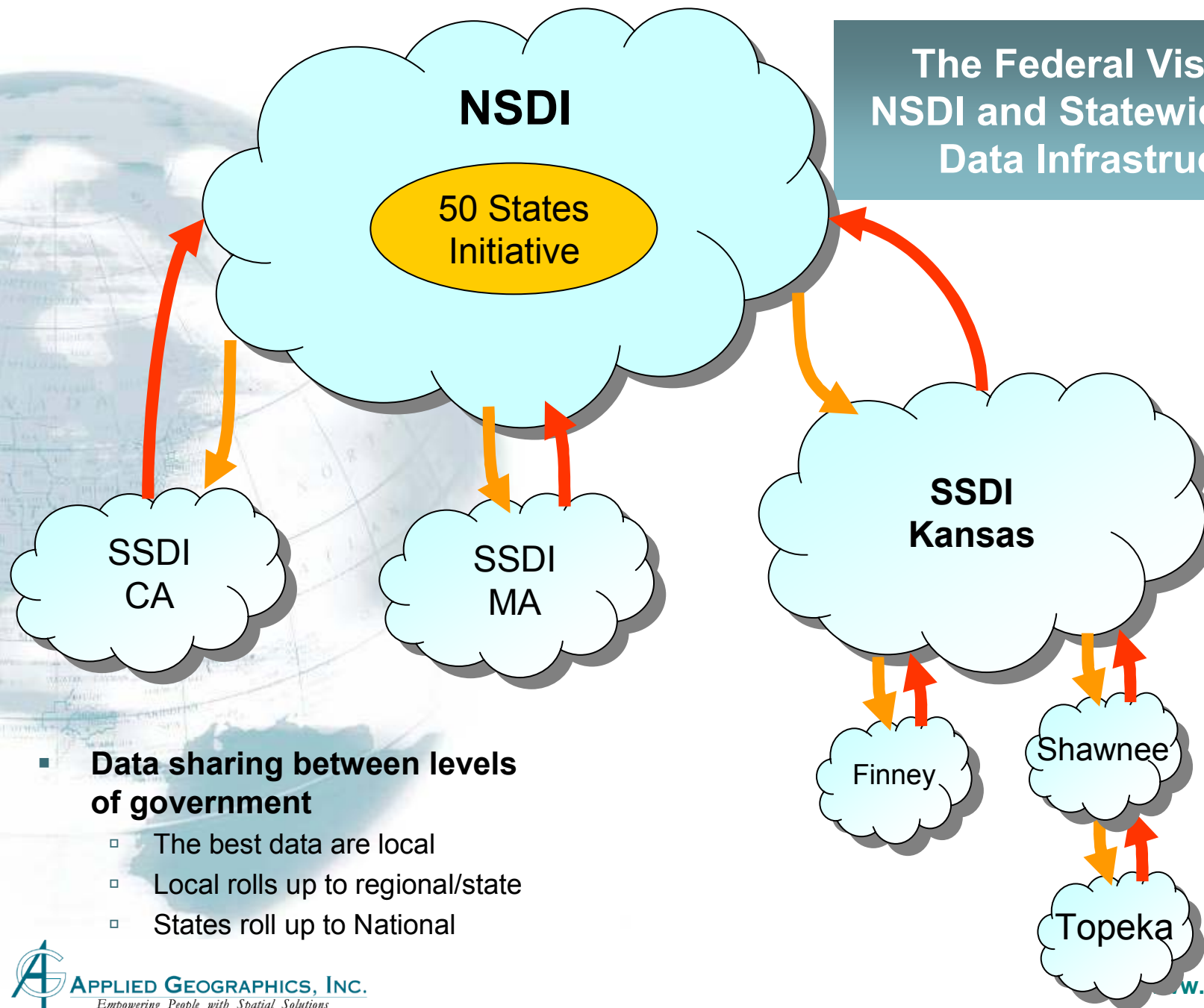
Roles & Responsibilities

- **AppGeo: Facilitator & Scribe**
 - Facilitate Planning Process
 - To keep the ball rolling
 - Author the documents
- **State of KS: Direction & Ideas**
 - It's *your plan* not *our* plan
 - Object for today is to listen to you
 - Discuss possibilities
 - Sharing our experience from other states

Relevant Federal Initiatives

- **National Spatial Data Infrastructure (NSDI)**
 - **Compilation and integration of consistent, high-quality nationwide data for 7 framework layers**
 1. Geodetic Control
 2. Cadastral (parcels)
 3. Political Boundaries
 4. Hydrography
 5. Imagery (orthos)
 6. Elevation (orthos)
 7. Transportation (Air, Roads, Inland Waterways, Rail, Transit)
- **50 States Initiative:**
 - **Effort to catalyze creation of NSDI**
- **Geospatial One-Stop / National Map**
 - **Portals for access to nationwide data**
 - **Really just a pointer to the best source (local)**

The Federal Vision for: NSDI and Statewide Spatial Data Infrastructures



- **Data sharing between levels of government**

- The best data are local
- Local rolls up to regional/state
- States roll up to National

History Behind this CAP Grant

- FGDC wants to create a National Spatial Data Infrastructure (NSDI)
- State Spatial Data Infrastructure SSDI's are critical to success of NSDI
- States need to self-assess and develop a strategic plan
- Strategic planning will aid process
- FGDC will Support Strategic Planning via CAP grants
- BUT, FGDC wants strategic plans to be similar in structure
 - Allowing state-by-state comparison/contrast
- In partnership with NSGIC they created templates

The process **matters**!

“Plans are nothing;
planning is everything”

Dwight D. Eisenhower

“Plans are of little importance,
but planning is essential”

Winston Churchill



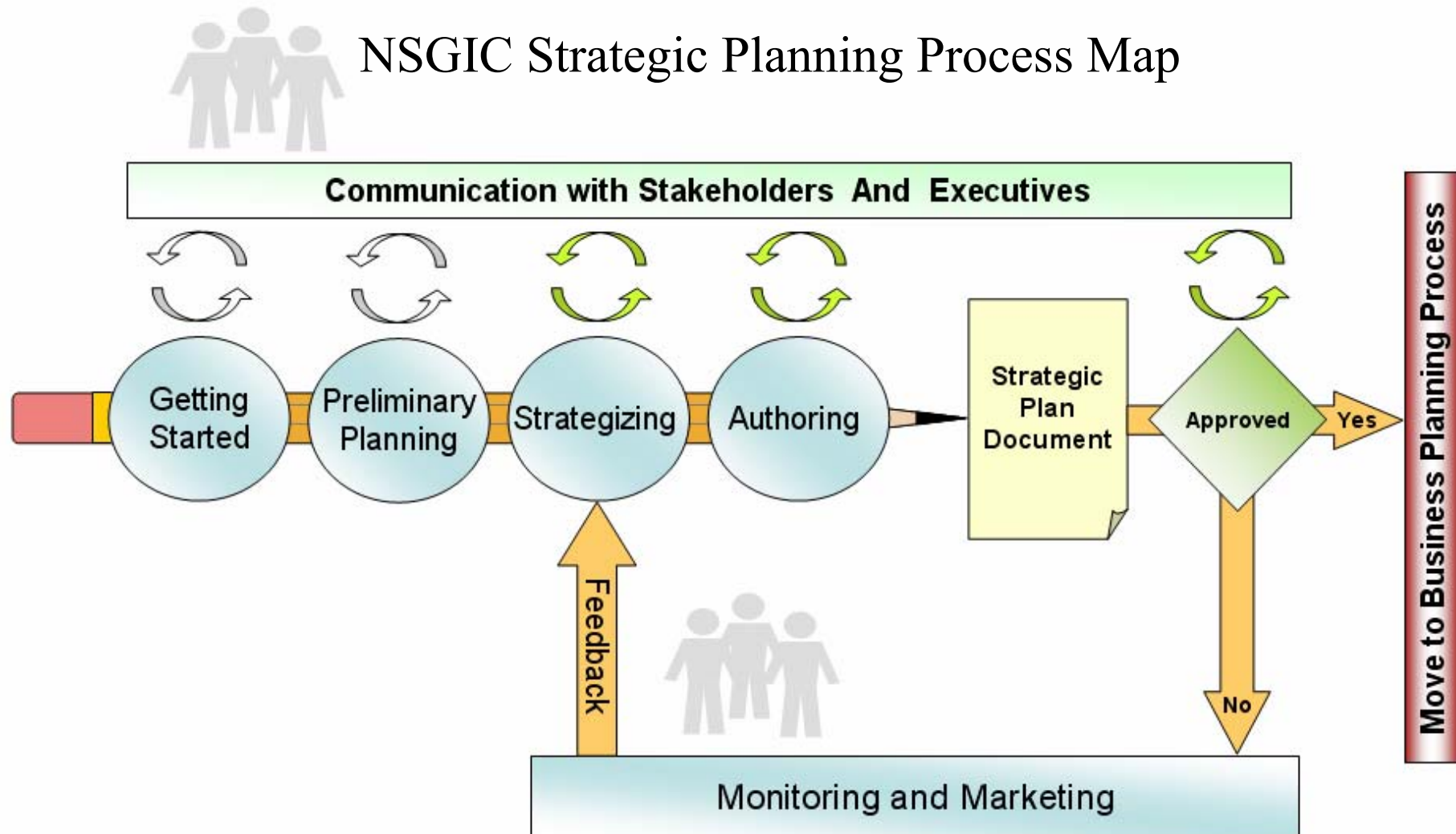
<http://www.whitehouse.gov/history/presidents/de34.html>



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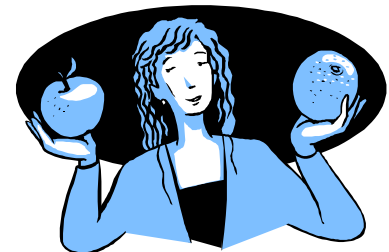
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Typical Phases of Strategic Planning



The difference between a Strategic and a Business Plan?

- **One Strategic Plan, potentially many Business Plans**
 - Key goal for today: gain a sense of likely Business Plan
- **Strategic Plan**
 - 'What' and the 'Why'
 - Process, Vision & Goals
 - The “big picture” and overall context
- **Business Plan**
 - 'How, When, and How much
 - Aimed at those that approve and fund
 - Details of initiative(s) emerge
 - Presents a business case



Where is Kansas Relative to:

The 50 States Initiative's 9 criteria of a successful statewide GIS program

- **The First State we've worked with that has a perfect score!**
 1. A full-time, **paid coordinator position is designated** and has the authority to implement the state's business and strategic plans
 2. A clearly defined **authority exists for statewide coordination** of geospatial information technologies and data production
 3. The statewide coordination office has a **formal relationship with the state's Chief Information Officer (CIO)**
 4. **A champion** (politician, or executive decision-maker) is aware and involved in the process of geospatial coordination
 5. **Responsibilities** for developing the National Spatial Data Infrastructure and a State Clearinghouse **are assigned**
 6. The ability exists to **work and coordinate** with local governments, academia, and the private sector
 7. **Sustainable funding** sources exist to meet project needs
 8. GIS Coordinators have the authority to enter into contracts and become capable of **receiving and expending funds**.
 9. The **Federal government works through** the statewide coordinating authority
- **If we're so good, why are we strategic planning? There is always more to do**
 - **More institutional support**
 - **More and better data**
 - **More outreach and collaboration to county/local government**
 - **Capitalize on new technology**

Strategic Plan Context

- You are not starting from scratch
 - There is a rich GIS history in KS
- Two main alternatives:
 1. We know what we want, let's develop the overarching “vision” that provides the context and justifies the initiative
 2. Let's figure out/come to agreement on the overarching “vision” and then figure out what's required to get there
- Both are legitimate

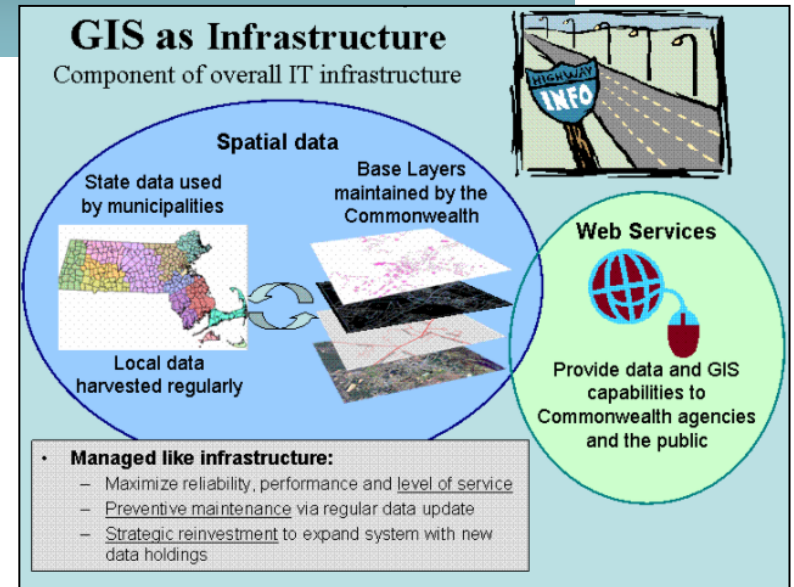
What is the Primary Goal of the Strategic Plan?

- **To become/remain eligible for Federal funding?**
 - Having the plan allows KS to “check that box”
- ✓ **Improve inter-governmental coordination**
 - State ↔ Local
 - State ↔ State
 - State ↔ Fed
- ✓ **To create a Statewide Spatial Data Infrastructure (SSDI)?**
 - Good local government data helps drive smarter state planning and decision making
 - This is a NSGIC/FGDC priority, and behind the CAP grant
- ✓ **To participate in NSDI?**
 - Providing good state level data to the federal government **should** help Kansas
 - In times of crisis does the Federal govt. have access to the best data?
 - Are Federal resources being equitably distributed/deployed to KS?
- **To generally “advance” GIS in the state?**
 - Raise general awareness?
 - Enlist a high-level Champion? More institutional support?
 - Capitalize on new technology?

What are some things other states have tried to achieve?

What are their goals and vision?

- ✓ **Development and sustainable maintenance of statewide data layers**
 - ✓ The **Massachusetts** plan is focused on 4 key data layers
 - ✓ Orthos
 - ✓ Parcels
 - ✓ Addresses
 - ✓ Critical infrastructure
 - ✓ Interaction with local government is key to the plan
 - ✓ Managed like infrastructure



■ **GIS Governance Evolution**

- The **New Hampshire** and **Wyoming** plans were centered on the creation of a Geographic Information Officer (GIO) title and a GIS office
- The **Massachusetts** plan contemplates a move from Environmental Affairs to the Information Technology Department

■ **Capitalizing on New Technology**

- The **Rhode Island** plan is focused on building a multi-departmental enterprise architecture with data warehousing and web services

■ **Do any of these things resonate with KS?**

■ **What else?**

General Questions for Discussion

1. What are the strengths and weaknesses of the existing statewide GIS efforts in KS?
2. Do you get everything you need from KS's state GIS?
3. Does the state GIS successfully support and coordinate with the public safety agencies (i.e. highway patrol, homeland security, emergency management, local police and fire)?
4. What would be the most important suggestion you'd make for "improving GIS coordination" in KS?

Data Questions for Discussion

1. How are state data used locally?
2. In general, are data well maintained and current?
3. Are there any particularly important data sets that are missing from the state GIS?
4. What level of data accuracy and currency are required?
5. Would you be willing to/do you already contribute *your data* into a “federated” statewide GIS repository (e.g. a county contributing parcels)?
 - what specific concerns do you have regarding providing this data?
6. Are there data privacy and security concerns?

Technology Questions for Discussion

1. Is the state providing sufficient access to empower non-GIS users to view/use data?
2. Are there any applications that the state could/should provide that would make your job easier?
 - should the state invest in the development of web services that can be integrated into 3rd party applications?
3. Are there any constraints that you face (e.g. technological) that prevent you from coordinating with KS's state GIS?

General Questions part 2:

1. What other questions should we be asking?
2. Who else should we be talking with?

Questions

